

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

KONOVALENKO, S. A.
DERKACH, F.A.; KONOVALENKO, B.A., studentka.

Corrosion of lead-zinc alloys in an alkaline medium. Nauk.zap.
Lviv.un. 21:121-124 '52. (MLRA 10:7)

1. Kafedra neorganichnoi khimii.
(Lead-Zinc alloys--Corrosion)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

MALININ, A.I., professor, doktor biologicheskikh nauk.; KONOVALENKO, L.A.,
assistant.

Functional state of the reticuloendothelial system in X-ray therapy
of mange in dogs. Sbor. trud, Khar'. vet. inst. 22:178-187 '54.

1. Kafedra patologicheskoy fiziologii Khar'kovskogo veterinarnogo
instituta.

(Scabies) (Dogs--Diseases) (X rays--Therapeutic use)

KONOVALENKO, L.A., Cand Vet Sci —(diss)"Certain biochemical indices of blood in Auyeski's disease." Khar'kov, 1959, 18 pp (Min of Agr USSR. Khar'kov Vet Inst), 200 copies (L,27-59,122)

-53 -

KONOVALENKO, Lev Alekseyevich; MIKITINA, V.M., red.; ZUBRILINA, Z.P..
tekhn.red.

[Checkrow planting of corn and sunflowers] Opyt kvadratno-gnesdovogo
poseva kukuruzy i podsolnechnika. Moskva, Gos.izd-vo sel'khoz.lit-ry.
1957. 50 p. (MIRA 10:12)

(Corn (Maize)) (Sunflowers)

YERKAYEV, A.D., ekonomist; KONOVALENKO, L.A., inzh.

Over-all mechanization of corn cultivation and its economic effectiveness. Mekh. i elek. sots. sel'khoz. 16 no.3:12-17 '58.
(MIRA 11:6)

1.Kubanskiy nauchno-issledovatel'skiy institut ispytaniya traktorev
i sel'skokhozyaystvennykh mashin.
(Corn (Maize)) (Agricultural machinery)

VASIL'CHENKO, A.A.; YERKAYEV, A.D.; KONOVALENKO, I.A.; PERVITSKIY,
V.Ya.; BUD'KO, V.A., inzh., red.; TVERDOVSKIY, V.P., kand.
sel'khoz. nauk, red.

[Mechanized growing of corn; based on the practices of
V.IA.Pervitskii's team] Mekhanizirovannoe vozdelyvanie
kukuruzy; na opyte zvena V.IA.Pervitskogo. Moskva, Kolos,
1965. 183 p. (MIRA 18:12)

KONOVALENKO, N.S.

RELEASED AND DECLASSIFIED

29

KA

The extraction of a mixture of rhododendron and kermek. N. S. Konovalenko. *Izvestiya Akademii Nauk.-Instrument. Inst. Kavkazskoi Prom.* 1932, No. 6/7; *Chem. Zeit.* 1933, I, 3856.—The extn. process and the emptying of the diffuser are facilitated when the extn. of tanning matter is not from leaves alone but from them together with other materials yielding tanning principles. Rhododendron leaves together with kermek roots were used in the proportion 1:1. The mixed exts. obtained showed good tanning properties and the yield of tanning

material was somewhat better than that obtained by sep. extn. of the 2 materials. M. G. Moore

ANALYSIS - METALLURGICAL LITERATURE CLASSIFICATION

5.2620

AUTHORS:

Lobanov, N. I., Konovalenko, O. S.

69018

9/078/60/005/04/013/040
B004/B007

TITLE:

The Polybromides of Cobalt(III) Ammines

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1960, Vol 5, Nr 4, pp 847 - 851
(USSR)

ABSTRACT:

The first-mentioned author, in collaboration with A. V. Ablov (Refs 1,2) obtained polybromides by the action of hydrogen bromide upon dinitro-cobalt(III) ammines. The present paper deals with the synthesis and investigation of these compounds. The authors found that concentrated hydrobromic acid acts upon dinitro complexes either by forming free bromine in statu nascendi, or by forming the compound NOBr. The presence of NO_2 groups in the outer sphere, or addition of NaNO_2 to the reaction mixture does not lead to formation of polybromides. Addition of bromine dissolved in concentrated HBr or in 30% NaBr to a solution of cobalt(III) ammine, or treatment of the solid cobalt(III) ammine with these solutions is given as the best method of preparing these compounds. The authors point out the ease with which the tetrammines form polybromides in contrast to pentammines and hexammines. The syntheses and analyses of the following compounds are mentioned:

Card 1/2

LOBANOV, N.I.; SAYANOV, V.S.; KONOVALENKO, O.S.

Moldavia limestones as raw materials for the preparation of precipitated chalk. Izv. AN Mold. SSR no.10:100-102 '62.

(MIRA 17:12)

AP5011489
ACCESSION NR: AP5011489

UR/0348/65/000/001/0010/0011

AUTHOR: Konovalenko, P. (Chief of plant protection station) (Poltava)

TITLE: none

SOURCE: Zashchita rasteniy ot vrediteley i bolezney, no. 1, 1965, 10-11

TOPIC TAGS: agriculture, education, pesticide, plant disease, insect control, herbicide, biology

ABSTRACT: Dangerous pests are broadly distributed in the Poltava oblast. They destroy sugar beets, grain, roots, leaves, and fruit. Plant diseases are also rampant. There being no control service branches in the district, the fight is waged by local technicians. In 1964, 962 000 hectares of plantings were treated with pesticides, and 480 000 hectares of blighted corn, beet, and sunflower fields were replanted with treated seed. The technicians are trained in recognizing trouble sources, extent of damage, and methods for control. To prepare them, 2-week courses are organized in the district. Contingents of 200 men are being trained at the Poltavskiy sel'skokhozyaystvennyy tekhnikum (Poltava Agricultural Technical School), with each man expected to take refresher courses every three years. The program covers 72 hours of study (48 hours of theory and 24 hours of practice). The

Card 1/2

L 48°42.6S
ACCESSION NR: AP5011489

courses include plant protection, studies of pests and diseases, toxins, herbicides, safety operations, equipment and machinery, symptoms and forecasting of pest activity and diseases, etc. Yu. N. Brunner, docent of the institute, T. A. Gokum¹, chief of the experimental station, I. S. Bilash, chief of forecasts and communications, and others are administering the work. Instructors capable of basing their courses on theory and experience are needed. Graduating technicians are granted certificates.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NO REF Sov: 000 OTHER: 000

Card 2/2

KONOVALENKO, P.P.

Collective farm mechanic is the central factor in plant protection.
Zashch. rast. ot vred. i bol. 6 no.4:1-2 Ap '61. (MIRA 15:6)

1. Glavnny agronom po zashchite rasteniy Poltavskogo oblastnogo
upravleniya sel'skogo khozyaystva.
(Poltava Province—Plants, Protection of)

SOLOV'YEV, P.; KONOVALENKO, P.

Collective-farm technicians are studying. Zashch. rast. ot vred.
i bol. 10 no.1:9-11 '65. (MIRA 18:3)

1. Nachal'nik L'vovskoy stantsii zashchity rasteniy (for
Solov'yev). 2. Nachal'nik Poltavskoy stantsii zashchity
rasteniy (for Konovalenko).

KONOVALENKO, P.P.

Polychloropinene in diesel fuel against the sugar beet weevil.
Zashch. rast. ot vred. i bol. 6 no.5:27 My '61. (MIRA 15:6)

1. Glavnyy agronom po zashchite rasteniy oblastnogo upravleniya
sel'skogo khozyaystva.
(Poltava Province--Sugar beets--Diseases and pests)
(Insecticides)

CA KONOVALENKO P S

29

Synthetic tanning materials from acid oils derived from peat tar. P. S. Konovalenko and O. Yu. Barodina. Central. Nauk.-Issledovatel. Inst. Kozhennel Proiz., Sbornik Rabot No. 7, 49-87 (1983). An acid oil from the low-temp. carbonization of peat, b. 170-300°, was used. The tanning factor is improved and the amount of irreversibly combined tannin is increased by introducing metals into the synthetic tannins. Al and Fe gave a product not inferior to that obtained with Cu salts, except that the water resistance was slightly lower. Oxidation with Cr(O₂-H₂SO₄) acid mixt. lowers slightly the tanning factor. A final tanning with vegetable tan of hides pretanned with synthetic tan yields a very good and elastic leather. Condensation of the sulfonated product with aldehydes does not improve the tanning properties. Chlorinated synthetic tannins give the leather a lighter shade, affect adversely other qualities of the leather. Hides tanned with synthetic tannins are in general of lower quality than those

tanned with oak. Sulfonation of the oil, condensation of the sulfonated product with formaldehyde, furfural, cellulose and glucose, introduction of salts of Fe, Al and Cr, chlorination of the synthetic substances, and exptl. are described. Fifty-two references. A. A. Boettling

KONOVALENKO, P.S.

Synthetic tannin SPS. Legkaya Prom. 12, No.2, 33-4 '52. (MLRA 4:12)
(CA 47 no.19:10255 '53)

KONOVALENKO, S.S.

Several problems of the formation and classification of alluvial
placer. Izv. AN SSSR. Ser. geog. no.5:22-33 S-0 '62.

(MIRA 15:10)

1. Gorno-geologicheskiy institut Bashkirskogo filiala AN SSSR.
(Ural Mountain region—Ore deposits)
(Siberia, Western—Ore deposits)

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CIA-RDP86-00513R000824320016-5

KONOVALENKO, V.G.

Land resources of the national areas of the Far North and their
utilization. Vop. geog. no.54:20-40 '61. (MIRA 15:3)
(Russia, Northern--Land)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

KONOVALENKO, V.G.

Agricultural themes of the expeditions conducted by the
Geographical Faculty of the Moscow University in 1962. Vest.
Mosk. un. Ser. 5: Geog. 17 no.4:63 Jl-Ag '62. (MIRA 16:1)
(Agricultural geography--Research)

KONOVALENKO, V.G.

In reference to S.V. Kalesnik's article "On the "monism"
and "dualism" in Soviet geography." Geog. i khoz. no.12:
78-87 '63. (MIRA 16:12)

ZVONKOVA, T.V.; ZVORYKIN, K.V.; KONOVALENKO, V.G.

The November Plenum of the Central Committee of the CPSU and the
immediate tasks of Moscow University geographers. Vest. Mosk.
un. Ser. 5: Geog. 18 no.1:3-8 Ja-F '63. (MIRA 16:5)

(Geographical research)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

KHAM'YANOVA, N.V.; DRUZHININ, I.P.; KONOVALENKO, Z.P.

Estimating the relation between the variations of geographical
processes and solar activity. Dokl. Inst. geog. Sib. i Dal'. Vost.
no.723-28 '64. (MIRA 18:10)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

KUZNETSOV, Yu.A.; MAKAROV, A.A.; MELENT'YEV, L.A.; MERENKOV, A.P.; NEKRASOV, A.S.; TSVETKOV, N.I.; KUZNETSOV, Yu.A.; MAKAROVA, A.S.; KARPOV, V.G.; MANSUROV, Yu.V.; SYROV, Yu.P.; KHRILEV, L.S.; TSVETKOVA, L.A.; VOYTSEKHOVSKAYA, G.V.; YEFIMOV, N.T.; LEVENTAL', G.B.; KHANAYEV, V.A.; BELYAYEV, L.S.; GAMM, A.Z.; KARTELEV, B.G.; KRUMM, L.A.; LIOPO, T.N.; SVIRKUNOV, N.N.; DRUZHININ, I.P.; KONOVALENKO, Z.P.; KHAN'YANOVA, N.V.; SHVARTSBERG, A.I.; NIKONOV, A.P.; STARIKOV, L.A.; POPYRIN, L.S.; PSHENICHNOV, N.N.; TROSHINA, G.M.; CHEL'TSOV, M.B.; SVETLOV, K.S.; SUMAROKOV, S.V.; TAKAYSHVILI, M.K.; TOLMACHEVA, N.I.; KHASILEV, V.Ya.; KOSHELEV, A.A.; KUDINOVA, L.I., red.

[Methods for using electronic computers in the optimization of power engineering calculations] Metody primeneniia elektronno-vychislitel'nykh mashin pri optimizatsii energeticheskikh raschetov. Moskva, Nauka, 1964. 318 p.

(MIRA 17:11)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Energeticheskiy institut. 2. Chlen-korrespondent AN SSSR (for Melent'yev).

DI UZHININ, I.P.; KONOVALENKO, Z.P.; KHAM'YANOVA, N.V.

Study of the relationship of the runoff of rivers of the Asian part of the U.S.S.R. between adjacent years using electronic computers. Izv. SO AN SSSR no.10 Ser. tekhn. nauk no.3:84-93 '63.
(MIRA 17:11)

1. Energeticheskiy institut Sibirskogo otdeleniya AN SSSR, Irkutsk.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

DRUZHININ, I.P. (Irkutsk); KONOVALENKO, Z.P. (Irkutsk); KUKUSHKINA, V.P.
(Irkutsk); KHAMYANOVA, N.V. (Irkutsk)

Modeling of hydrologic series. Izv. AN SSSR. Energ. i transp. no.5:636-
643 S-0 '64. (MIRA 17:12)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

KONOVALOV, A.

Marine transport of large-sized, heavyweight cargoes. Mor. flot 18
no.5:16-17 My '58. (MIRA 11:6)

1. Starshiy inzhener TSentral'nogo proyektno-konstruktorskogo byure - 7.
(Ships--Cargo)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

L 23484-65 EWT(d)/EWT(1)/EWG(k)/EWT(m)/FA/EWG(v)/T-2/EWP(h) Pz-6/Pe-5

ACCESSION NR: AP5002969

5/0317/64/000/012/0038/0040

AUTHOR: Konovalov, A. (Engineer, Lieutenant colonel, Candidate of technical sciences)

TITLE: High flights and the fuel system

SOURCE: Tekhnika i vooruzheniye, no. 12, 1964, 38-40

TOPIC TAOS: aircraft equipment, high altitude aircraft, fuel system, temperature effect, pressure effect

ABSTRACT: This is a rather elementary discussion of problems encountered with fuel systems during high flights. The author points out the importance of atmospheric factors and emphasizes the fact that computations are generally made on the assumption of a standard atmosphere. This assumption eliminates consideration of situation due to actual meteorological or astronomical phenomena. It follows ²³ the basic law of change of temperature and pressure with height. Actually, temperatures and pressures at various heights differ considerably from the theoretical standard, and the operation of the fuel system is consequently affected. The operation of the fuel system is set for theoretical values at the height flown.

Card 1/2

LEONOV, N., brigadir Geroy Sotsialisticheskogo Truda; KONOVALOV, A.,
gorny master; LYGIN, T., brigadir

Response to B.Boitsev's article "How should an integrated bri-
gade operate." Mast.ugl. 8 no.6:6-7 Je '59.
(MIRA 12:10)

1. Kompleksnaya dobychnaya brigada shakhty №.106 Karagandin-
skogo sovnarkhoza (for Leonov). 2. Shakhta №.39-39 bis Stalinskogo
sovnarkhoza (for Konovalov). 3. Kompleksnaya prokhodcheskaya brigada
shakhty №.37 Karagandinskogo sovnarkhoza (for Lygin).
(Coal mines and mining) (Mine management)

(Boitsev, B.)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

KONOVALOV, A. A.

Konevalev, A. A. "Ground germination and norms for seed sowing of pine according to usual methods," Trudy po les. khoz-vu (Kasan'), Issue 8, 1948, p. 48-55

SO U3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

KONOVALOV, A. A., inzh.

Designing shock-absorber springs. Vest. mashinostr. 42 no.10:
48-49 0 '62. (MIRA 15:10)

(Shock absorbers)

KONOVALOV, A.A., inzh.

Investigation of the longitudinal impact upon a cylindrical
spring. Izv.vys.ucheb.zav.; mashinostr. no.8:123-127 '63.
(MIRA 16:11)

1. Izhevskiy mekhanicheskiy institut.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

KONOVALOV, A.A., kand. tekhn. nauk

Forced vibrations of cylindrical springs. Vest. mashinostr.
45 no.6:28-30 Je '65. (MIRA 18:6)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

KONOVALOV, A.D., inzh.

Shape of the duct of the running wheel of a centrifugal compressor.
[Trudy] MVTU no.95:77-84 '60. (MIRA 14:8)
(Compressors)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

KONOVALOV, A.G., kand. ekon. nauk; MAKAROVA, G.M., kand. ekon. nauk.

Planning the cost of industrial production and ways to reduce it.
Trudy Khar'. inzh.-ekon. inst. 9:13-36 '57. (MIRA 11:6)
(Costs, Industrial)

L 13016-63 EPF(c)/EPR/EWP(j)/EWT(m)/BDS AFFTC/ASD Pr-4/Ps-4/Pc-4 RM/WH
ACCESSION NR: AP5000405 S/0191/63/000/005/0058/0061

AUTHOR: Slonim, I. Ya.; Uman, Ya. G.; Konovalov, A. G. 71

TITLE: Determination of the moisture content of plastics, molding powders, and fillers by the nuclear magnetic resonance method

SOURCE: Plasticheskiye massy#, no. 5, 1963, 58-61

TOPIC TAGS: moisture content, plastics, molding powders, fillers, nuclear magnetic resonance method, K-18-2 molding powder, cord caprone, caprone K, powdered caprone (brand B)

ABSTRACT: Because the moisture of plastics affects their mechanical properties, a number of methods have been devised for its determination. Of these, the nuclear magnetic resonance method offers many advantages, including rapidity, applicability to many kinds of material, and adaptability to automatic control. The authors used it to measure the moisture content of samples of wood powder, K-18-2 molding powder, particulate cord caprone^{1/2} (caprone K), and powdered caprone (brand B). Nuclear magnetic resonance spectra were determined with an M080 type spectrometer from the Tsentral'naya laboratoriya avtomatiki (Central Automation Laboratory), and the results compared with those obtained with standard methods. From the absorption signals recorded with these materials, their moisture content was determined with Card 1/2

L 13016-63

ACCESSION NR: AB3000405

sufficient accuracy over a moisture range of 3-17%. The error of the method (circa 0.5% for the molding powder and caprone K, and about 1% for wood powder and caprone B) should be reducible by further refinement of the technique. Orig. art. has: 6 figures and 1 table.

ASSOCIATION: none

SUBMITTED: OO

DATE ACQ: 10Jun63

ENCL: OO

SUB CODE: MA

NO REF SOV: 003

OTHER: 006

Card 2/2

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

URMAN, Ya.G.; SLONIM, I, Ya.; KONOVALOV, A.G.

Nuclear magnetic resonance in polyformaldehyde. Vysokom. soed. 6 no.9:
1651-1655 S '64. (MIRA 17:10)

1. Nauchno-issledovatel'skiy institut plasticheskikh mass.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

SIONIK, I.Ya.; LYUBIMOV, A.N.; URMAN, Yu.G.; ROGOVALOV, A.G.; VARENIK, A.P.

Shape of nuclear magnetic resonance lines in polymers when the
second derivative absorption line is recorded. Vysokom. soed.
7 no.2:245-249 F '65. (MIRA 18:3)

1. Nauchno-issledovatel'skiy institut plasticheskikh mass.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

L 64173-65 EWT(m)/EPF(c)/EWP(j)/T/EWA(c) RPL WM/RM

ACCESSION NR: AP5019782

UR/0062/65/000/007/1290/1292
543.422

AUTHOR: Arbuzov, B. A.; Konovalov, A. I.

TITLE: Formation of molecular complexes in the diene synthesis reaction

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 7, 1965, 1290-1292

TOPIC TAGS: diene synthesis, acrolein, acrylic acid, acrylonitrile, methyl acrylate, cyclopentadiene, molecular complex, sulfur dioxide, dimethylbutadiene

ABSTRACT: Ultraviolet absorption spectra of solutions of the dienophiles acrolein, acrylic acid, acrylonitrile, and methyl acrylate in cyclopentadiene were recorded and compared with the spectra of their solutions in an inert solvent (chloroform). In all cases, a rise in the absorption curve which did not occur in the chloroform solutions was observed in the cyclopentadiene solutions in the short wavelength range. This indicates complex formation between the dienophiles and cyclopentadiene. SO_2 can also act as a dienophile in the reaction of diene synthesis. The possible formation of molecular compounds between SO_2 and dienes was studied by taking 2,3-dimethyl-1,3-butadiene as an example. Comparison of the UV spectra of SO_2 in chlo-

Card 1/2

L 64173-65

ACCESSION NR: AP5019782

reform and in 2,3-dimethyl-1,3-butadiene shows that the latter and SO₂ do indeed form a molecular complex. Orig. art. has: 5 figures.

2

ASSOCIATION: Kazanskiy gosudrastvennyy universitet im. V. I. Ul'yanova-Lenina
(Kazan State University)

65

SUBMITTED: 02Nov64

ENCL: 00

SUB CODE: OC, GC

NO REF Sov: 003

OTHER: 001

4/14/01
Card 2/2

KONOVALOV, A.I.

Chemical shift and the activity of dienophile in diene synthesis.
Dokl. AN SSSR 162 no.2; 343-346 My '65. (MIRA 18:5)

1. Kazanskiy gosudarstvennyy universitet im. V.I.Ulyanova-Lenina.
Submitted October 30, 1964.

KONOVALOV, A. I. Lt. Col., Med. Service, and PLATONOV, K. K.

"Theoretical and Practical Problems in Providing Medical Service to Flights Under Difficult Meteorological Conditions," Votyanno-Med. Zhur., No.7, pp. 8-15, 1955

Verbatim Translation D 416336

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CIA-RDP86-00513R000824320016-5

PLATONOV, Konstantin Konstantinovich, prof., doktor med.nauk, polkovnik
meditsinskoy sluzhby v otstavke; KONOVALOV, A.I., podpolkovnik
meditsinskoy sluzhby, red.; GAVRILOV, N.N., polkovnik, red.;
MYASNIKOVA, T.F., tekhn.red.

[Aviation psychology] Psichologija letnogo truda. Moskva, Voen.
izd-vo M-va obor.SSSR, 1960. 350 p.
(MIRA 14:2)
(AERONAUTICS—PSYCHOLOGY)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

YUGANOV, Ye.M.; KAS'YAN, I.I.; GUROVSKIY, N.N.; KONOVALOV, A.I.;
YAKUBOV, B.A.; YAZDOVSKIY, V.I.

Sensory reactions and voluntary movements in man under conditions
of weightlessness. Izv. AN SSSR. Ser. biol. no.6:897-904 N-D '61.
(MIRA 14:11)

1. Institute of Normal and Pathological Physiology, Academy of
Medical Sciences of the U.S.S.R., Moscow.
(WEIGHTLESSNESS)

KONOVALOV, A.I.; LAPSHINA, A.I.

Using a sliver frame head for the production of staple fiber.
Tekst.prom. 16 no.4:52-53 Ap '56. (MLRA 9:7)

- 1.Glavnyy inshener fabriki imeni Varentsevey (for Konovalov)
- 2.Zaveduyushchiy laboratoriye (for Lapshina)
(Spinning machinery)

VOROB'YEV, S.A., kand.tekhn.nauk, otv.red.; KONOVALOV, A.I., inzh., red.; MAKARENKO, V.P., inzh., red.; MIKHEYEV, M.V., inzh., red.; NOVIKOVA, N.T., inzh., red.; PIKHTOVNIKOV, R.V., prof., red.; PODLOZHENOV, P.M., inzh., red.; SEMKO, M.F., prof., red.; TOROPOV, A.I., inzh., red.; TSERKOVNYY, I.M., inzh., red.; CHERKASHIN, I.P., inzh., red.; SHIVCHENKO, M.G., tekhn.red.; LIMANOVA, M.I., tekhn.red.

[Mechanization and automation of production processes; proceedings of the city technical conference] Mekhanizatsiya i avtomatizatsiya proizvodstvennykh protsessov; sbornik materialov gorodskoi tekhnicheskoi konferentsii. Khar'kov, Khar'kovskoe knizhnoe izd-vo, 1959. 295 p.

(MIRA 13:1)

1. Kommunisticheskaya partiya Ukrayiny. Khar'kovskiy gorodskoy komitet. 2. Nachal'nik Ukrainskoy proyektno-konstruktorskoy kontory "Prommekhanizatsiya". (for TSerkovnyy).
(Automation) (Technological innovations)

KONOVALOV, A. I.,
Vologod Sci. Res. Vet. Exptl. Sta.

"The study of the symptoms of immunity in cows which have had
brucellosis."

SO: Veterinariya 27(12), 1950, p. 18

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

KONOVALOV, A. I.^{III}, Honored Veterinarian, Director Vologod NIVS

"On the fortieth anniversary of the Vologod Scientific Research Veterinary
Experimental Station"

18(1)

(Veterinariya, 29, No. 1: 6-61, Jan. 1951)
(in Vet. SRI) —

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

5.3400

77068
SOV/62-59-12-12/43

AUTHORS: Arbusov, B. A., Konovalov, A. I.

TITLE: The Diels-Alder Synthesis. Communication 1. The Spectro-photometric Study of the Diels-Alder Synthesis

PERIODICAL: Izvestiya Akademii nauk, SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 12, pp 2130-2134 (USSR)

ABSTRACT: The purpose of this work was to test the assumption that D. A. reagents (dienes and dienophiles) may reversibly form molecular compounds, which may then react irreversibly. The absorption spectra of the molecular compounds are determined by an intermolecular charge transfer and should be found in the visible or the ultraviolet region of the spectrum. The absorption of chloroform solutions was measured on a SF-4 spectrophotometer. Concentrations were used (in the order of 0.001 M in maleic anhydride). The following conclusions were made on the basis of spectral investigations: Formation of molecular compounds

Card 1/2

The Diels-Alder Synthesis. Communication 1.
The Spectrophotometric Study of the Diels-
Alder Synthesis

77068
SOV/62-59-12-12/43

(1:1 molar ratio) takes place in solutions of maleic anhydride in thiophene and selenophene. Solutions of maleic anhydride in furan, piperilene, and isoprene form similar intermediate compounds, which then form adducts (at room temperature); as a result of the vigorous reaction, no intermediate product was observed in the case of maleic anhydride and cyclopentadiene. No absorption, corresponding to molecular complex formation, was observed in the solution of isoprene and acrylonitrile. There are 7 figures; and 9 references, 3 Soviet, 3 German, 3 U.S. The U.S. references are; M. J. Andrews, R. M. Deeler, J. Amer. Chem. Soc. 75, 3776 (1953); W. G. Barb, Trans. Faraday Soc 49, 143 (1953); M. Kloetzel, H. Herzog, J. Amer. Chem. Soc. 72, 1991 (1950); R. S. Mulliken, J. Phys. Chem. 56, 801 (1952).

ASSOCIATION: V. I. Ul'yanov-Lenin Kazan State University (Kazanskiy gosudarstvennyy universitet imeni V. I. Ul'yanova-Lenina)
SUBMITTED: May 14, 1958 Card 2/2

5.3400

78066
SOV/62-60-1-12/37

AUTHORS: Arbuzov, B. A., Konovalov, A. I.

TITLE: Diels-Alder Synthesis. Communication 2. The Spectro-photometric Study of the Diels-Alder Synthesis of p-Benzoquinone and α -Naphthoquinone

PERIODICAL: Izvestiya Akademii nauk. Otdeleniye khimicheskikh nauk, 1960, Nr 1, pp 68-72 (USSR)

ABSTRACT: Spectrophotometric studies indicate that in the reactions of p-benzpquinone with cyclopentadiene, isoprene, and piperilene, the formation of monadducts as well as bis-adducts is preceded by formation of intermediates. In the case of isoprene and piperilene, the reaction, at room temperature, stops at the stage of the mono-molecular complex of the mono-adduct with the diene. The reaction of α -naphthoquinone involves an intermediate. In solutions of α -naphthoquinone in isoprene and piperilene there is no absorption indicating the presence of any intermediate complex. This can be explained by the assumption that the rate of conversion of the

Card 1/2

ARBUZOV, B.A., akademik; KONOVALOV, A.I.; SAMITOV, Yu.Yu.

Chemical shift and activity of dienophile in the diene synthesis. Dokl. AN SSSR 143 no.1:109-110 Mr '62.

(MIRA 15:2)

1. Kazanskiy gosudarstvennyy universitet im. V.I.Ulyanova-Lenina.

(Dienophiles)

S/048/63/027/001/028/043
B125/B102

AUTHORS: Arbuzov, B. A., Samitov, Yu. Yu., and Konovalov, A. I.

TITLE: Effect of intermolecular interactions on the proton chemical shifts in some organic systems

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 27, no. 1, 1963, 82 - 86

TEXT: The chemical interaction can be inferred from measurements of the chemical shift in p.m.r. spectra. The effect of organic solvents on the chemical shift (Δh_4) is studied in chloroform, maleic anhydride and acrylonitrile by measuring the proton magnetic resonance. The field h_4 arises from intermolecular interactions due to the formation of a hydrogen bond, molecular complexes, and hydrogen exchange. The measurements were made with an n.m.r. spectrograph having a resolution of $\sim 5 \cdot 10^{-8}$. In some cases the shifts of the p.m.r. lines with respect to the peak of the aromatic hydrogens were taken. With increasing dilution the line of the chemical shift is shifted towards higher field strengths. The bend in the curve at Card 1/2

Effect of intermolecular interactions ... S/048/63/027/001/028/043
B125/B102

a molar part 0.5 of acrylonitrile, as observed in all solvents with the exception of m-xylene, indicates the formation of a complex having a composition of 1:1. This dependence of the chemical shifts of the o- and m-hydrogens in n-substituted fuluenes and of H_b and H_c in propylene bromide on the polarity of the CN groups is explained by the different grouping in the substitution. The difference in the chemical shifts in the systems investigated can be used to study the weak intermolecular interactions and also indicates the limited utility of the aromatic compounds as internal standards. There are 4 figures.

ASSOCIATION: Kazanskiy gos. universitet im. V. I. Ul'yanova-Lenina (Kazan State University imeni V. I. Ul'yanov-Lenin)

Card 2/2

KONOVALOV, A.I.

Steric hindrances in the diene synthesis of cyclopentadiene with
dienophiles of the isopropenyl type. Dokl. AN SSSR 149 no.6:
1334-1336 Ap '63. (MIRA 16:7)

1. Kazanskiy gosudarstvennyy universitet im. V.I.Ulyanova-Lenina.
Predstavлено академиком B.A. Arbuzovym.
(Cyclopentadiene) (Methacrylic acid) (Steric hindrance)

ARBUZOV, B.A.; KONOVALOV, A.I.

Formation of molecular complexes in the reaction of diene synthesis.
Izv. AN SSSR. Ser. khim. no.7:1290-1292 '65. (MIRA 18:7)

1. Kazanskiy gosudarstvennyy universitet im. V.I.Ul'yanova-Lenina.

ACC NR: AP6032118 (A,N)

SOURCE CODE: UR/0346/66/000/010/0024/0026

AUTHOR: Smirnov, K. L. (Chief of veterinary section); Konovalov, A. I.
(Director of Vologodskaya oblast' veterinary laboratory)

13

ORG: none

B

TITLE: Experience in elimination of brucellosis in cattle

SOURCE: Veterinariya, no. 10, 1966, 24-26

TOPIC TAGS: brucellosis, brucella, bovine brucellosis, animal disease
therapeutics

ABSTRACT: No new brucellosis foci have been reported in the Vologodskaya oblast since 1963 as a result of a comprehensive eradication program including vaccination of both adult cows and heifers in safe and threatened areas, and isolation and slaughter of infected animals. As a result of prompt diagnosis and vaccination of adult cattle, an immune livestock population has been created around unsafe areas and the spread of brucellosis in cattle has been stopped. Abortions in cows and heifers in one-third of the safe farms two to three months after vaccination are mostly attributed to the brucella vaccine, since no aggravation of brucellosis cases followed these abortions. [W.A. 50]

SUB CODE: 06/ SUBM DATE: none

Card 1/1

UDC: 619:616.981.42-084;636.22/28

68-58-7-3/27

AUTHOR: Korshunov, V. I., Candidate of Technical Science and
Konovalov, A. K., Engineer

TITLE: Beneficiation of Karaganda Coals by the Centrifugal
Method (Obogashcheniye karagandinskikh ugley
tsentrifugal'nym metodom)

PERIODICAL: Koks i Khimiya, 1958, Nr 7, pp 7-10 (USSR)

ABSTRACT: Laboratory investigations and semi-industrial tests of the efficiency of beneficiation of Karaganda coals (Table 1) by the centrifugal method were carried out. The laboratory settling apparatus used for the determination of the beneficability of coals (crushed to -3mm without size grading) is described (Fig.1) and the results obtained are shown in Fig.2. The beneficiation of these coals was carried out according to two schemes:
1) two fractions are separated by centrifuging in a heavy liquid of a s.g. sufficient to separate a low ash fraction (Fig.3);
3) in order to separate also tailings, the centrifuging process is supplemented by the settling operation (Fig.4). The results of beneficiation of the same coals by the centrifugal method and the VUKHIN method (not explained) are given in Table 2. Plastometric characteristics of coals before and after beneficiation are given in Fig.5.

Card 1/2

IETOVA, V.K.; KONOVALOV, A.K.; KURDYUKOV, A.S.

Preparing molded coke from Kuznetsk Basin low-coking gas coals
and their blends. Trudy IGI 10:93-103 '59. (MIRA 12:12)
(Kuznetsk Basin—Coal) (Coke)

KONOVALOV, A.K.

Investigating the process of preparing shaped metallurgical fuel
from low-coking Karaganda Basin coals using new methods. Trudy
IGI 10:104-125 '59. (MIRA 12:12)
(Karaganda Basin--Coal) (Coke)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

KONOVALOV, A.K.; SPERANSKAYA, G.V.

Peculiarities in the preparation of shaped coke from low-coking
acidic coals. Trudy IGI 10:126-136 '59. (MIRA 12:12)
(Coke)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

KONOVALOV, A.K.

Effect of inert and lean admixtures on the process of preparing
shaped coke from low-coking coals. Trudy IGI 10:143-154 '59.
(MIRA 12:12)

(Coke)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

KONOVALOV, A.K.

Making coke briquets from a mixture of lignite and coal on
a testing unit of continuous coking at the Institute of
Mineral Fuel experiment station. Trudy IGI 20:145-154 '63.
(MIRA 17:8)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

L 35566-65 EWT(1)/FCC GW

ACCESSION NR: AP5008138

S/0286/65/000/005/0014/0014

10

B

AUTHORS: Dereza, L. K.; Konovalov, A. K.

TITLE: A filter for purifying air from fog. Class 12, No. 168643

SOURCE: Byulleten' izobretens i tovarnykh znakov, no. 5, 1965, 14

TOPIC TAGS: air filter, fog

ABSTRACT: This Author Certificate presents a filter for purifying air from fog, consisting of a housing and a filtering element fastened to a frame. To increase the efficiency and degree of purification, the housing is made with wedge-like corrugations that support the filtering element by means of wedge-like inserts. To produce a gradient of capillary potential in the filter, the wedge-like inserts are made with the acute angle of the wedge less than the wedge angle of the corrugation.

ASSOCIATION: none

SUBMITTED: 11JUL62

ENCL: 00

SUB CODE: PR, IE

NO REF SOV: 000

OTHER: 000

Card 1/1

KONOVALOV, A.M.

History of the development of chemistry in our country. Trudy
Semipal. med. inst. 2:157-173 '59. (MIRA 15:4)

1. Kafedra neorganicheskoy i analiticheskoy khimii Semipalatinskogo
gosudarstvennogo meditsinskogo instituta (zav.kafedroy - starshiy
prepodavatel' A.M.Konovalov).
(CHEMISTRY)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

SOKOL'SKIY, D.V.; KONOVALOV, A.M.

Effect of amines on the hydrogenation of benzaldehyde. Trudy
Inst.khim.nauk AN Kazakh.SSR 8:41-44 '62. (MIRA 15:12)
(Benzaldehyde) (Amines) (Hydrogenation)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

ARENDE, A.A., prof.; ARTARYAN, A.A., kand.med.nauk; BAIROV, G.A., prof.; VOLKOV, M.V., prof.; VARSHAVSKAYA, D.Ya., kand. med. nauk; VOROKHOBOV, L.A.; GENERALOV, A.I., kand. med. nauk; DANIYEL'BEK, K.V., kand. med. nauk; DERZHAVIN, V.M., kand. med. nauk; DOLETSKIY, S.Ya., prof.; YERMOLIN, V.N.; ZATSEPIN, S.T., kand. med. nauk; ZVYAGINTSEV, A.Ye., dots.; ISAKOV, Yu.F., doktor med. nauk; KOZYREV, V.A., kand. med. nauk; KONOVALOV, A.N.; KORNYANSKIY, G.P., prof.; KLIMANSKIY, V.A., kand. med. nauk; KLIMKOVICH, I.G., dots.; KONDRAZHIN, N.I., kand. med. nauk LEVINA, O.Ya., kand. med. nauk; LENYUSHKIN, A.I., kand. med. nauk; LEYBZON, N.D., doktor med. nauk; MALININA, L.I., doktor med. nauk; MAREYEVA, T.G., kandidat meditsinskikh nauk; NERSESYANTS, S.I., kand. med. nauk; OVCHINNIKOV, A.A.; OGLEZNEV, K.Ya., kand. med. nauk; ROSTOTSKAYA, V.I., kand. med. nauk; STEPANOV, E.A., kand. med. nauk; EPSHTEYN, P.V.; OSTROVERKHOV, G.Ye., prof., glav. red.; DOMBROVSKAYA, Yu.F., prof., otv. red.

[Multivolume manual on pediatrics] Mnogotomnoe rukovodstvo po pediatrii. Moskva, Meditsina. Vol.9. [Pediatric surgery] Khirurgiya detskogo vozrasta. Red.toma S.IA.Doletskii. 1964. 654 p.
(MIRA 17:9)
1. Deystvitel'nyy chlen AMN SSSR (for Dombrovskaya). 2. Chlen-korrespondent AMN SSSR (for Bairov, Volkov).

KONOVALOV, A.N.; SOKOLOVA, A.A.; FALLER, T.O.

Characteristics of electroencephalography in hemorrhages from
arteriovenous aneurysms. Zhur. nevr. i psikh. vol. 64 no.5:654-
660 '64. (MIRA 17:7)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni in-
stitut neurokhirurgii im. N.N.Burdenko (direktor - prof.B.G.Yegorov)
AMN SSSR, Moskva.

KONOVALOV, A.N. (Moskva)

Clinical aspects and diagnosis of arteriovenous aneurysms
accompanied by intracranial hemorrhages. Vop. neirokhir. 27
no.1:39-43 Ja-? '63. (MIRA 16:5)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni
Institut neurokhirurgii imeni akad. N.N.Burdenko AMN SSSR.
(INTRACRANIAL ANEURYSMS) (BRAIN—HEMORRHAGE)

KANDEL', E.I.; KONOVALOV, A.N. (Moskva)

Surgical treatment of multiple aneurysms of the blood vessels
of the brain. Vop.neurokhir. 24 no.5344-46 S-0 '60.
(MIRA 13:11)
1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni
institut neurokhirurgii imeni akad. N.N. Burdenko AMN SSSR.

(INTERNAL ANEURYSMS)

YEGOROV, B.G., prof.; SHLYKOV, A.A.; KONOVALOV, A.N.; SERBINENKO, F.A.
(Moskva)

Diagnosis and method of surgical treatment of cerebral aneurysm.
Vop. neirokhir. no. 5:1-10 '61. (MIRA 14x31)

1. Nauchno-issledovatel'skiy ordena trudovogo Krasnogo Znameni
institut neirokhirurgii imeni akad. N.N. Burdenko AMN SSSR.
(INTRACRANIAL ANEURYSMS)

KONOVALOV, A.N.; FALLER, T.O.

Tumors of the brain with subarachnoid hemorrhage syndrome. Vop.
neirokhir. 28 no.4:19-22 Jl-Ag '64.

(MIRA 18:3)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni
institut neyrokhirurgii imeni Burdenko (dir. - prof. A.I.
Arutyunov) AMN SSSR, Moskva.

KONOVALOV, A.N. (Chelyabinsk)

Iterative scheme for solving static problems in the theory
of elasticity. Zhur. vych. mat. i mat. fiz. 4 no.5:942-
945 S-0 '64. (MIRA 17:12)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

KONOVALOV, A.N.; SOKOLOVA, A.A.; FALLER, T.O.

Changes in the EEG in arterial aneurysms of the brain. Zhur. nevr. i psikh. 65 no.4:516-523 '65. (MIRA 18:5)

1. Institut neyrokhirurgii im. Burdenko AMN SSSR, Moskva.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

KONOVALOV, A.N.; SHAROV, K.Ye.

Guarding the safety of rolling stock. Avtom., telem. i sviaz'
8 no.6:1-3 Je '64. (MIRA 17:6)

1. Pomoshchnik dorozhnogo revizora po bezopasnosti dvizheniya
poyezdov Moskovskoy dorogi (for Konovalov). 2. Starshiy
obshchestvennyy inspektor po bezopasnosti dvizheniya poyezdov
Moskovsko-Gor'kovskoy distantsii signalizatsii i svyazi
Moskovskoy dorogi (for Sharov).

42535

S/020/62/147/001/001/022
B112/B102

16.

AUTHOR: Konovalov, A. N.TITLE: Fractional steps method in solving the Cauchy problem
for an n-dimensional oscillation equationPERIODICAL: Akademiya nauk SSSR. Doklady, v. 147, no. 1, 1962, 25-27TEXT: The periodic Cauchy problem

$$\frac{\partial^2 u}{\partial t^2} - \sum_{i=1}^N \frac{\partial^2 u}{\partial x_i^2}, \quad (1)$$

$$u(0, x_1, \dots, x_N) = \varphi(x_1, \dots, x_N), \quad (2)$$

$$\frac{\partial u}{\partial t}(0, x_1, \dots, x_N) = \psi(x_1, \dots, x_N),$$

$$-\infty < x_1, \dots, x_N < \infty, t > 0$$

is reduced to the following two types of difference problems:

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S/020/62/147/001/001/022
B112/B102

Fractional steps method in...

$$\begin{aligned} \frac{u^{n+\frac{1}{N}} - 2u^n + u^{n-1}}{\tau^2} &= \Lambda_{11} u^{n+\frac{1}{N}}, \\ \frac{u^{n+\frac{p}{N}} - u^{n+\frac{p-1}{N}}}{\tau^2} &= \Lambda_{pp} u^{n+\frac{p}{N}}, \quad p = 2, \dots, N, \\ u^0(x_1, \dots, x_N) &= \varphi(x_1, \dots, x_N), \\ u^1(x_1, \dots, x_N) &= \varphi(x_1, \dots, x_N) + \tau \psi(x_1, \dots, x_N) \\ \frac{u^{n+\frac{1}{N}} - 2u^n + u^{n-1}}{\tau^2} &= \Lambda_{11} u^{n+\frac{1}{N}} + \sum_{l=2}^N \Lambda_{ll} u^l, \\ \frac{u^{n+\frac{p}{N}} - u^{n+\frac{p-1}{N}}}{\tau^2} &= \Lambda_{pp} (u^{n+\frac{p}{N}} - u^n), \quad p = 2, \dots, N, \\ u^0(x_1, \dots, x_N) &= \varphi(x_1, \dots, x_N), \\ u^1(x_1, \dots, x_N) &= \varphi(x_1, \dots, x_N) + \tau \psi(x_1, \dots, x_N). \end{aligned} \quad (8)$$

Here,

$$\Lambda_{ii} = (T_i - 2E + T_{-i})/h_i^2, \quad (3)$$

$$T_{\pm i} f(x_1, \dots, x_N) = f(x_1, \dots, x_i \pm h_i, \dots, x_N),$$

Card 2/3

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-

Fractional steps method in...

S/020/62/147/001/001/022
B112/B102

$$u^n(x_1, \dots, x_N) = u(n\tau, x_1, \dots, x_N), \quad \tau > 0.$$

The convergence of both the difference schemes (8) and (12) follows from a theorem of equivalence (cf. P. D. Lax, R. D. Richtmeyer, Comm. Pure and Appl. Math., 9, 267 (1956)).

PRESENTED: May 26, 1962, by S. L. Sobolev, Academician

SUBMITTED: May 22, 1962

Card 3/3

ACC NR: AT7000388

SOURCE CODE: UR/0000/66/000/000/0478/0490

AUTHOR: Konovalov, A. P.; Okhotin, A. S.; Polyakov, Yu. A.

ORG: none

TITLE: Application of the electric simulation method for the investigation of thermal and electric processes taking place in a thermoelectric energy converter.

SOURCE: Teplo- i massoperenos, t. 6: Metody rascheta i modelirovaniya protsessov teplo- i massoobmena (Heat and mass transfer, v. 6: Methods of calculating and modeling heat and mass transfer processes). Minsk, Nauka i tekhnika, 1966, 478-490

TOPIC TAGS: thermoelectric converter, simulation, analog computer, electronic simulation

ABSTRACT: As is known, a rigorous solution of the equation describing the thermal field of a thermoelectric energy converter is impossible because of the nonlinear temperature dependence of the thermal conductivity and thermal emf coefficients, and of nonlinear resistivity. Instead of using the available approximate solutions, the authors show how one can obtain the thermal field by simulating its equation with the help of an analog computer. The proposed method can be easily applied in the case of the stationary thermal mode, for which case the complete procedure is presented. The investigation of the thermoelement's operation in a nonstationary mode presents more complex problems. In particular, it necessitates the splitting of the continuous thermal system into elementary discrete volumes, each of which is replaced by an

Card 1/2

ACC NR: AT7000388

equivalent electric circuit; then the thermal properties of each volume are simulated in such a way that the voltages at the junction points of the equivalent electrical scheme correspond to the temperature of the center of the volumes. Just as in the case of the stationary mode, a structural scheme for the nonstationary mode is given along with the set of differential equations by which it is described. The authors hope that the simulation method they conceived will be used in research on thermo-electric energy converters and in the planning of such devices. Orig. art. has: 14 formulas and 5 figures. [WA-51]

SUB CODE: 20/ SUBM DATE: 08Jun66/ ORIG REF: 004/ OTH REF: 001/

Card 2/2

Konovalov, A.R.

25.1000

82097
S/184/60/000/03/07/010AUTHORS: Abelev, M.M., Galitskiy, B.A., Konovalov, A.R., Engineers

TITLE: The Manufacture of Double-Pipe Coils

PERIODICAL: Khimicheskoye mashinostroyeniye, 1960, No. 3, pp. 31 - 33

TEXT: The development of experimental equipment at NIIKhIMMASH necessitated the manufacture of double-pipe coils of 320-520 mm diameter from heat- and acid-proof steel tubes. After bending, the ovality of the pipes must not exceed 50% of the tolerance for the outer pipe diameter. The space between pipes of a finished coil must not be less than 0.7 mm. The liquid flow in a double-pipe coil must be at least 120 l/h between the pipes and not less than 220 l/h through a pipe of 10 mm diameter at 2.5 kg/cm² input pressure. To fix the inner pipe in respect to the outer pipe, the outside pipe wall is indented by heated steel balls at experimentally predetermined distances. The coils are manufactured using the following method: the inner surface of the outer 16 mm pipe and the inner and outer surfaces of the 10 mm pipe are cleaned by washing in aviation gasoline. For degreasing the pipes are placed for 4-5 hours into boiling electrolyte, consisting of 1% trisodium phosphate and 0.3% of the "OP-7"

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44

The Manufacture of Double-Pipe Coils

S/184/60/000/03/07/010

(OP-7) washing agent, are washed by hot and cold water, and the remaining dirt is removed from the internal surfaces of the pipes by felt rods. Then the pipes are pickled for 15 minutes in a solution of nitric (18%), sulfuric (9%) and hydrochloric (5%) acid, heated to 65°C, are washed with hot and cold water, and are cleaned by wooden rods. Finally, they are washed in alcohol and are again cleaned by rods. Subsequently the indentations are produced in one operation on a bending machine with the inner pipe inserted. A special device is used for this purpose, consisting of three rollers (Figure 3) arranged at an angle of 120°, and having 5 mm steel balls fixed to their working surfaces. The pipes are fed into the device at a rate of 17 m/min. Metallographic studies did not reveal any cracks, shears, or dangerous deformations in zones of indentations and in the adjacent areas. The inner pipe and the space between the inner and outer pipe is filled with molten metal (Wood's alloy type). Then the pipes are bent on the same bending machine on which the indentations were produced. It is also possible to perform the bending on a lathe using a special mandrel (Figure 5). The coil is heated to 300-350°C and hot air is blown through to remove the metal filler. This is the most labor-consuming and unproductive operation, since it is not always possible to clean the space between the pipes completely. In such cases the coils are pickled in a 30% solution of acetic acid. The technological process of manufacturing double-pipe coils with a relative ovality of 1.5-2% is simpler, since no metal filling is required. There are 3 photographs and 2 diagrams.

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Card 2/2

KONOVALOV, A. S.

24338 KONOVALOV, A. S. Vozmozhnosti i predely flyuorografii pri vyvulenii zabolevaniy organov bryusnoy polosti. Trudy Glav. voen. gospitalya Vooruzh. sil SSSR im. Akad. Burdenko. VIP. 6. M., 1949, s. 309-14.
Bibliogr: 5 nazv.

SO: Letopis, No. 32, 1949.

Possibilities and Limitations of Fluorography during development of illness
in organs of the abdominal cavity

P'YANICHENKO, Ivan Vasil'yevich; KONOVALOV, A.S., red.; RUCH'YEV, L.I.,
tekhn. red.

[After the reorganization] Posle perestroiki. Krasnodar, Krasno-
darskoe knizhnoe izd-vo, 1959. 44 p. (MIRA 16:3)

1. Sekretar' Armavirskogo gorodskogo komiteta Kommunisticheskoy
partii Sovetskogo Soyuza (for P'yanichenko).
(Armavir--Industries)

SEDINA, Anastasiya Mitrofanovna, zhurnalist; KONOVALOV, A.S., red.;
KHLOBORDOV, V.I., tekhn. red.

[Pages from the history of the labor movement in the Kuban,
1910-1916] Stranitsy iz istorii rabochego dvizheniya na Kubani,
1910 - 1916 gg. Krasnodar, Krasnodarskoe knizhnoe izd-vo,
1961. 98 p. (MIRA 15:5)
(Kuban—Labor and laboring classes)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

KONOVALOV, A.S., KUROCHKIN, K.T., BAUM, B.A., POSTYK, V.V., TIMCHENKO, N.F.

"Distribution of Hydrogen and Nitrogen in Steel Castings,"
lecture given at the Fourth Conference on Steelmaking, A.A. Baikov Institute of
Metallurgy, Moscow, July 1-6, 1957

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

10(3)

SOV/148-59-2-6/24

AUTHORS: Kurochkin, K.T., Docent, Candidate of Technical Sciences,
Baum, B.A., Konovalov, A.S., Postyka, V.V., and Timchenko,
N.F., Engineers

TITLE: Hydrogen and Nitrogen Distribution in Steel Ingots (Raspredeleniye vodoroda i azota v stal'nykh otlivkakh)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Chernaya metallurgiya,
1959, Nr 2, pp 43-49 (USSR)

ABSTRACT: The existing date on gas behavior in steel during crystallization and cooling presented by Khan, Povolotskiy, Polin, Kreshchanovskiy, Dubovoy, Sklyuyev, Kvater, Sharip and Yavovskiy [Ref 1-6] and [Ref 8] are insufficient. Information is presented on results of experiments carried out on medium-carbon chromo-nickel-molybdenum steel ingots, for the purpose of determining gas distribution after cooling and changes in the gas content during heat treatment. The hydrogen content was determined by vacuum-heating and nitrogen content by means of dissolving. It was stated that hydrogen was separated from the solid metal during crystallization and concentrated in the liquid solution. Hydrogen concentration

Card 1/3

KUROCHKIN, K.T., kand.tekhn.nauk; BAUM, B.A., inzh.; KONOVALOV, A.S., inzh.;
POSTYKA, V.V., inzh.

Gas moisture in open-hearth furnace combustion chambers and hydrogen
content in the metal. Metallurg 4 no.3:16-19 Mr '59.

(MIRA 12:4)

1. Ural'skiy politekhnicheskiy institut im. S.M. Kirova i Omskiy
zavod transportnogo mashinostroyeniya.

(Open-hearth furnaces)
(Steel-hydrogen content)

OREKHANOVA, P.Z.; KONOVALOV, A.S., red.; DUKHNO, V.I., tekhn. red.

[Fiftieth anniversary of the Krasnodar Machine-Tool Plant]
Krasnodarskii stankostroitel'nyi; 50 let. Krasnodar, Krasnodarskoe knizhnoe izd-vo, 1961. 209 p. (MIRA 15:2)

1. Krasnodarskiy stankostroitel'nyy zavod. 2. Redaktor mnogo-tirazhnoy gazety "Stankostroitel'" (for Orekhanova).
(Krasnodar—Machine-tool industry)

ZAPEVIN, Leonid Vasil'yevich; KONOVALOV, A.S., red.; KHLOBORDOV,
V.I., tekhn. red.

[Industries of the Kuban in the years of the seven-year plan]
Promyshlennost' Kubani v gody semiletki. Krasnodar, Krasno-
darskoe knizhnoe izd-vo, 1960. 69 p. (MIRA 15:7)
(Kuban--Industries)

KONOVALOV, A.S., red.; DUKHNO, V.I., tekhn. red.

[Lights over the river; on the 50th anniversary of the
Krasnodar Petroleum Refining Plant] Ogni nad rekoi; k
50-letiiu Krasnodarskogo neftepererabatyvaiushchego za-
voda. Krasnodar, Krasnodarskoe izd-vo, 1961. 76 p.
(MIRA 16:10)

(Krasnodar--Petroleum industry)

ACC NR: AP6021830

SOURCE CODE: UR/0413/66/000/012/0154/0155

INVENTORS: Druzhkin, V. I.; Ignat'yev, V. P.; Konovalov, A. S.; Sotnikov, V. A.; Tiratsuyan, R. M.

ORG: none

TITLE: A method for trimming a diamond tool in a metallic binder. Class 67,
No. 183094

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 154-155

TOPIC TAGS: diamond, metal cutting, abrasive

ABSTRACT: This Author Certificate presents a method for trimming a diamond tool in a metallic binder. To prevent damaging and dulling of abrasive grains, the tool to be worked on is connected to the positive pole of a current source. The greased surface of the tool is connected through flat electrodes to the negative pole of the same source (see Fig. 1). This surface receives streams of the electrolyte (for instance, the aqueous solution of sodium chloride) which anodically decomposes the metallic binding so as to make it assume the desired profile of the tool.

Card 1/2

UDC: 621.922.029:621.9.047.7

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

ACC NR: AP6021830

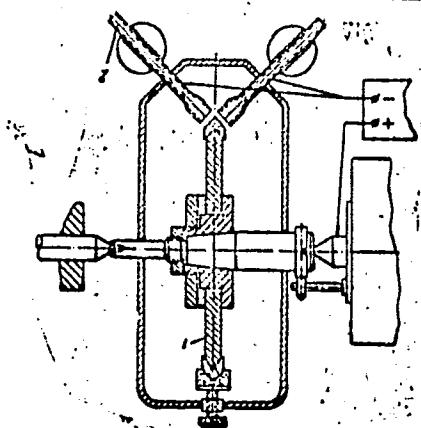


Fig. 1. 1 - tool;
2 - flat electrode

Orig. art. has: 1 figure.

SUB CODE: 13// SUBM DATE: 22Aug64

Card 2/2

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

PTASHKIN, M.F.; KONOVALOV, A.T.

Improving the process of inoculation and annealing of malleable cast
iron at the Likhachev Plant. Lit. proizv. no. 4:38-40 Ap '61.
(MIRA 14:4)

(Moscow—Automobile industry) (Cast iron—Metallurgy)

"APPROVED FOR RELEASE: 06/19/2000

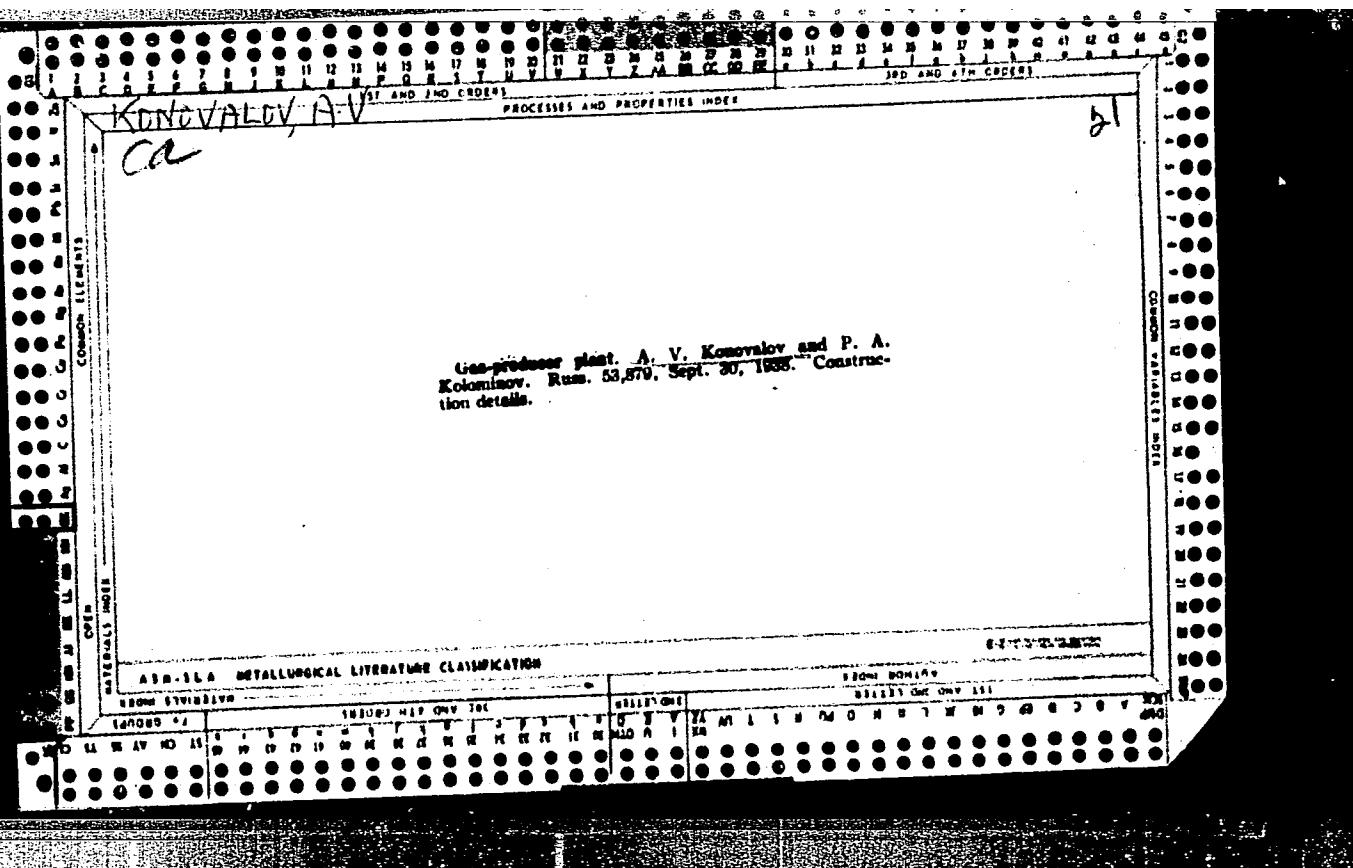
CIA-RDP86-00513R000824320016-5

KOMOLOV, V.J.; KONVALOV, A.T.; PTASHKIN, M.F.

Production of an inoculated cast iron. Lit. proizv. 5:41-L2
(MIRA 18:3)
My '64.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"



KONOVALOV, A.V., inzhener; SIROTINSKIY, Ye.L., kandidat tekhnicheskikh
nauk.

"Remarks on E.L.Sirotinskii's article "Conventional symbols and
drafting rules for relay protection schemes and automatic regula-
tion." Elektrичество no.1:76-78 Ja '54. (MLRA: 7:2)

1. Ivanovskiy energeticheskiy institut im. Lenina (for Konovalov).
(Sirotinskii, E.L.) (Electric circuits)

KONOVALOV, H.V.

BELYAYEV, I.V., dotsent, kandidat tekhnicheskikh nauk; BORISOV, V.A.,
dotsent, kandidat tekhnicheskikh nauk; KONOVALOV, A.V., sharshiy
propodavatel'; SKURIKHM, V.I., kandidat tekhnicheskikh nauk;
ZAKHAROV, M.F., kandidat tekhnicheskikh nauk; KRYLOV, M.A.,
kandidat tekhnicheskikh nauk.

On the article "Development of automatic control and telemechanics
in the fifth five-year plan". Avtom.i telem. 16 no.2:203-205
Mr-Ap '55.
(MIRA 8:6)

1. Ivanovskiy energeticheskiy institut im. V.I.Lenina.
(Automatic control)

TRANS - M-1312, 19 Nov 56

Automatic repeated reclosure equipment with supply from an operating capacitor. (Cont.)

2/2 104-4-33/40
itor of 400 micro-farads is required for reliable operation of automatic reclosure with relay type P3-180 and switchgear drive. This is, of course, far too great. The capacitance may be reduced by reducing the energy demand for closure by making the moving parts lighter and altering the windings.

There are 2 figures and 1 Slavic reference.

AVAILABLE:

KONOVALOV, A.V., Geroy Sotsialisticheskogo Gospodarstva, CIA-RDP86-00513R000824320016-5"
APPROVED FOR RELEASE: 06/19/2000 CIA

Automation and mechanization of production in the plant. Zhel.
dor.transp. 41 no.8:19-24 Ag '59. (MIRA 12:12)

1. Nachal'nik Lyublinskogo liteyno-mekhanicheskogo zavoda.
(Assembly-line methods)
(Lyublino--Railroads--Equipment and supplies)

L 07045-67
ACC NR: AN7001052

SOURCE CODE: UR/9003/66/000/218/0005/0005

KONOVALOV, B.

25
B

RADA Miniature X-Ray Diffraction Analysis Apparatus is Developed¹⁰
Moscow, Izvestiya, 15 Sep 66, p 5

Abstract: The new RADA X-ray diffraction analysis apparatus is based on the idea of using radioactive isotopes for X-ray structural analysis, suggested by the Moscow physicists S. I. Lobr, V. N. Funin and V. A. Tsukerman. It is a miniaturized portable device weighing only 700 grams, which can be placed in a knapsack pocket and is thus suitable for, e.g., geological field studies. It is shielded with a 2-3 mm thick brass plate and its radiation energy is 6 kilovolts. It is also ideal for making X-ray photographs of mosquitoes, ants and other insects as well as of the stalks and leaves of plants. Its "heart" is an isotope of iron (Fe^{54}). Work is under way to develop more powerful miniature X-ray apparatuses of this kind (based on radioactive isotopes) whose benefits are enormous. Among other things, they open broad new vistas to roentgenologists since they can be readily used to irradiate eczemas or malignant tumors in the oral cavity. The isotope can be deposited on the surface of fine needles and introduced directly into the patient's tumor. Other uses include: research into the structure of matter at temperatures

Card 1/2

09240068

L 07045-67

ACC NR: AN7001052

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

close to absolute zero and in inert or aggressive gaseous media. Under these conditions, the portable source can be placed directly inside the chamber within which the investigated processes occur. [JPRS]

TOPIC TAGS: x ray diffraction camera, x ray photography

SUB CODE: 20, 14 / SUBM DATE: none

Card 2/2 vmb

L 18882-63

EWP(q)/EWT(m)/BDS AFFTC JD

ACCESSION NR: AP3003034

S/0025/63/000/006/0016/0018

AUTHOR: Konovalov, B.; Shuster, A. (Special correspondents of the journal Nauka i Zhizn').TITLE: Meet element 102SOURCE: Nauka i zhizn', no. 6, 1963, 16-18

TOPIC TAGS: nobelium, half-life, Dubna cyclotron, element 102, element 105, element 104, transuranic element

ABSTRACT: Attempts of Swedish, American, English and Soviet physicists to synthesize element 102 is discussed. On the basis of the work on element 102, it is suggested that elements 104, 105, and other transuranic elements may also be synthesized. Such synthesis may lead to the discovery of elements with a relatively long half-life and low critical mass which will make the construction of small reactors possible.

ASSOCIATION: none

SUBMITTED: 00

SUB CODE: NS, PH
Card 1/1DATE ACQ: 23Jul63
NO REF Sov: 000ENCL: 00
OTHER: 000

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5"

BILENKO, D.; VATEL', I.; VLADIMIROV, L.; GUSHCHEV, S.;
 YELAGIN, V.; YERESHKO, F.; ZHURBINA, S.; KAZARNOVSKAYA, G.;
 KALININ, Yu.; KELER, V.; KONOVALOV, B.; KREYNDLIN, Yu.;
 LEBEDEV, L.; PODGORODNIKOV, M.; RABINOVICH, I.; REPIN, L.;
 SMOLIAN, G.; TITARENKO, V.; TOPILINA, T.; FEDCHENKO, V.;
 EYDEL'MAN, N.; EMME, A.; NAUMOV, F.; YAKOVLEV, N.;
 MIKHAYLOV, K., nauchn. red.; LIVANOV, A., red.

[Little stories about the great cosmos] Malen'kie rasskazy o bol'shom Kosmose. Izd.2., Moskva, Molodaia gvardiia, 1964.
 368 p.
 (MIRA 18:4)

KONOVALOV, B.A., aspirant

Equations for calculations of conic shells. Nauch.dokl.vys.shkoly;
stroi. no.3:29-36 '58. (MIRA 12:7)

1. Rekomendovana kafedroy stroitel'noy mekhaniki samoleta Moskovskogo
ordena Lenina aviationsonnogo instituta imeni S. Ordzhonikidze.
(Elastic plates and shells)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320016-5

AUTHOR: Konovalov, B. A. SOV/147-58-4-7/15
 TITLE: On the Problem of Calculations for Conical Shells
 Using a Variational Method due to Professor V.Z.Vlasov
 (K voprosu rascheta konicheskikh obolochek na osnove
 variatsionnogo metoda Prof.V.Z. Vlasova)
 PERIODICAL: Izvestiya Vysshikh Uchebnykh Zavedeniy, Aviationsnaya
 tekhnika, 1958, Nr 4, pp 51-61 (USSR)
 ABSTRACT: The object of this paper is to obtain equations for calculating conical shells of the type of an aircraft or rocket wing. It is shown that the equations are a generalization of those previously obtained in Ref 2. Consider a point M on the shell, then in accordance with the basic idea of the variational method the longitudinal and transverse displacements of the point M are expressed in terms of series expansions involving unknown generalized longitudinal and transverse displacements, and distribution functions of these displacements along the contour of the transverse section of the shell which have been determined in advance. Normal stresses are ignored. In order to determine the generalized displacements the principle of possible displacements is used. Eventually an inhomogeneous